

4-Port ADSL 2/2+ Wireless Modem Router with QoS and VPN Support

LevelOne is introducing a versatile high-speed wireless 4-port ADSL 2/2+ modem router with QoS designed for home and office users to share a wired and wireless Internet connection.

The WBR-3460 wireless modem router is compatible with the next generation of ADSL 2 and ADSL 2+ technology which is a faster standard of ADSL broadband connectivity. Its 802.11g compliant Access Point delivers 54Mbps wireless connectivity to desktop computers, notebooks, PDA's and smart phones while the 4 port Ethernet switch allows for LAN network deployment.

This router modem is a great solution for VoIP, gaming and video streaming. The built-in Quality of Service (QoS) feature allows for full control over the inbound data flow making it an ideal solution that is able to prioritize between different data types. It also features robust firewall, wireless encryption and access control security features that enable a safe networking environment.

High-Speed Internet Access

The new ADSL2 and ADSL2+ standard allows for faster broadband Internet access to online gaming, video streaming, and real-time audio and video sites. The WBR-3460 features these latest standards that provide speeds of up to 24Mbps downstream and 1Mbps upstream.

This router modem can auto-sense and auto-negotiate the ADSL connection type and modulation through the supported Multi-Mode, G.hs, G.lite and AnnexA/L and AnnexB with UR2 compliance protocols.

Flexible Network Connectivity

The WBR-3460 has a built-in traffic controlling router that allows multiple computers to share the same Internet connection. Network users can access the Internet simultaneously through its integrated 11g Wireless Access Point and 4-port Ethernet switch. With both wireless and wired network connectivity the WBR-3460 allows for flexible networking.

The WBR-3460 features an integrated 802.11g compliant Wireless LAN Access Point that provides wireless network connectivity to notebooks, desktop computers, PDA's and smart phones at speeds of up to 54Mbps. It is also backward compliant with the IEEE 802.11b standard. A 2dBi dipole detachable antenna ensures maximum wireless connection efficiency between the router and connected wireless devices. The detachable antenna can be replaced by any other LevelOne compatible antenna. This wireless Access Point provides robust security features that allow for a safe and secured wireless environment where users can set-up a WLAN with either a 64- or 128-bit WEP (Wired Equivalent Privacy) or WPA-PSK (Wi-Fi Protected Access) pass key protocols.

A LAN network is easily deployed with the built-in 4-port 10/100Mbps auto-negotiation MDI/MDI-X cross-over detection supported Ethernet switch.

Complete Network Control

For smooth networking the WBR-3460 incorporates an embedded Quality of Service feature that allows network connectivity without traffic congestion. QoS ensures high networking data transmission for applications set as high-priority. Priority can be given to ensure important data like VoIP, gaming and multi-media packets are favoured even under heavy traffic load.

Robust Firewall Security

Along with the built-in NAT natural firewall feature, the WBR-3460 also provides Denial of Service (DoS) attacks and Stateful Packet Inspection (SPI) features to counter hacking attempts. Access control to a network is provided through packet filtering allowing only defined ports to be opened allowing traffic to pass through. The router further provides DMZ support that allows for creating a more secured and isolated network.

The WBR-3460 supports a VPN IPSec compliant 8 tunnel private network as well as a VPN pass-through feature that enables users working from home or users from remote office locations to have access to files and e-mail on the head office's secured VPN endpoint server without using additional software. The router is PPTP, L2TP and IPSec pass through enabled that provides support for IPSec and DES/3DES connections.



WBR-3460

Key Features

- High-speed ADSL2/ADSL2+ compatible modem
- 802.11g Wireless Access Point with 2dBi dipole antenna
- 4-port 10/100Mbps auto-negotiation MDI/MDI-X Ethernet switch
- Quality of Service for smooth congestion free network traffic
- Robust Firewall Security protection from unauthorized network access
- DHCP server support for easy LAN IP address management
- VPN pass through support for IPSec DES/3DES encryption
- Easy set-up and management through Web based user interface

Technical Specification

Hardware Specification

- **Physical Interface**
LINE: ADSL port
LAN: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
Factory default reset button
Power jack
- **Physical Specification**
CPU: TI TEND7200 (SOC) (RoHS Compliant)
DRAM: 16MB
Flash: 4MB
Dimensions: 5.20" x 3.70" x 1.38" (132mm x 94mm x 35mm)
- **Power Requirement**
Input: 12VDC
- **Operating Environment**
Operating temperature: 0 ~ 40 °C
Storage temperature: -20 ~ 70 °C
Humidity: 20 ~ 95% non-condensing

Wireless Specification

- **Wireless Compliance**
802.11g- 54Mbps
802.11b- 11Mbps
- **Antenna**
2dBi Detachable Antenna
- **Wireless Encryption**
WEP 64/128-bit encryption
- **Access Control**
Disable SSID Broadcast
Wireless MAC Address List
User Authentication
- **Firmware Upgrade**
Web based (HTTP) upgradeable

Other Features

- DNS Proxy
- Dynamic DNS
Multiple DDNS including Dynamic DDNS, custom DDNS, TZO, dhs
- Virtual Server
- DMZ Support
- Dial on demand and auto disconnect

Software Specifications

- **ATM**
TM Cell over AAL5
Support UBR/CBR/VBR
VPI Range: 0-255
VCI Range: 32-65535
Support 1PVC
Support OAM F4/F5 loopback
Payload Encapsulation
 - RFC2684 (RFC1483/2684) Multi-protocol over ATM
 - RFC2684 (RFC1483/2684) Bridge Mode
 - RFC2225 (RFC1577) IPoA
 - RFC2364 PPP over ATM (CHAP and PAP supported)
 - RFC2516 PPPoE over ATM
- Support auto-detection for VPI/VCI (VPI: 0~10, VCI: 32~90)
Support for multiplexing method (VC-based, LLC-based)
- **Protocol Support**
DHCP Client/Server for LAN
SMTP
NTP
DHCP client for WAN
- **Routing**
DHCP Client/Server for LAN
SMTP
NTP
DHCP client for WAN
- **Firewall**
NAT
Attack Alert (Email and log)
Denial of Service (SPI)
Access Control
Port Forwarding
Port Range Forwarding
Schedule based URL content filtering
- **VPN Pass Through**
PPTP, L2TP
- **VPN Support**
8 Tunnel IPSec DES/3DES encryption

Product Diagram



Ordering Information

- WBR-3460A: 4-port ADSL2/2+ Wireless Modem Router with QoS Annex A
- WBR-3460B: 4-port ADSL2/2+ Wireless Modem Router with QoS Annex B/U2